

Abstract of the Disclosure

A sterilizer exhibiting a practically high sterilization effect as well as a preservation performance of foods and a refrigerator equipped with the sterilizer are provided. The
5 sterilizer comprises an anti-microbial material having a base ingredient impregnated with a volatile anti-microbial agent, an air-permeable capsule encapsulating the anti-microbial material, and a less-permeable container having ventilation apertures provided partially thereon for accommodating the
10 capsule. The sterilizer also has a peelable, less-permeable film provided above the container to seal the ventilation apertures. When the film is removed from the container, a vapor of the anti-microbial agent emitted from the anti-microbial material in the capsule can run through the ventilation
15 apertures on the container and flow into the external atmosphere. That improves the effects of sterilizing the surface of foods as well as the air and of preserving the nutrient of the foods.